

M9 Minimal Medium (with Tris replacing phosphate)

For 5X M9 minimal salts

1 g	NH ₄ Cl
0.5 g	NaCl
10.992 g	C ₄ H ₁₁ NO ₃ •ClH (Tris-HCl)

For 1X media (1 Litre)

- 200 mL 5X M9 minimal salts
 - Autoclave to sterilize.
- 34 mL 10 mg/mL thiamine
 - Dissolve 10 mg per mL of H₂O
 - Use a 0.22 µm filter to filter-sterilize
- 10 mL 40% glycerol
 - Add 80 mL glycerol to 120 mL of H₂O
 - Autoclave to sterilize
- 20 mL 10% Casamino acids
 - Dissolve 50 g Bacto Casamino acids in 500 mL H₂O
 - Autoclave to sterilize
- 2 mL 1M MgSO₄
 - Dissolve 24.65 g MgSO₄·7H₂O in 100 mL H₂O
 - Autoclave to sterilize
- 100 µL 1M CaCl₂
 - Dissolve 14.7 g CaCl₂·2H₂O in 100 mL H₂O
 - Autoclave to sterilize
- 733.9 mL H₂O
 - Sterilize deionized water in autoclave

Combine above solutions using sterile technique.

Add antibiotic as appropriate and store at 4°C

Reference

Sambrook, J., & Russell, D. W. (2001). Molecular cloning. A laboratory manual. Third. Cold Spring Harbor Laboratory Press, New York.